What is claimed is:

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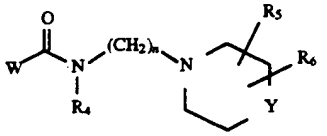
1. An alkylenediamine derivative or a salt thereof expressed by the following formula 1:

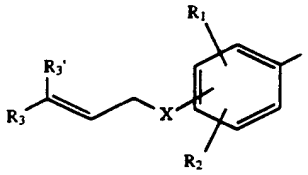
formula 1



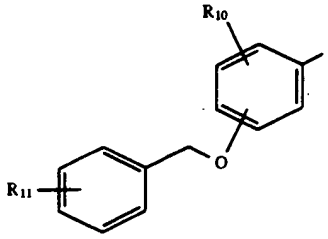
(I)

wherein W represents a group expressed by the following formula 2 or formula 3;

formula 2



formula 3



wherein each of R_1 and R_2 represents hydrogen atom. a lower alkoxy group. an alkenyloxy group. or a halogen atom:

each of R_3 and R_3' represents methyl group, [prenyl] prenyl-CH_2 group, or [geranyl] geranyl-CH_2 group and when one of R_3 and R_3' is [prenyl] prenyl-CH_2 group or [geranyl] geranyl-CH_2 group, another is methyl group;

X represents oxygen atom or sulfur atom;

R_{10} represents a lower alkyl group; and

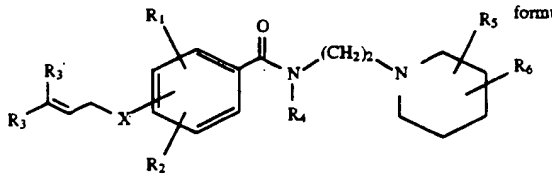
R_{11} represents a halogen atom; and wherein each of R_4. R_5. and R_6 represents hydrogen atom or a lower alkyl group;

Y represents a group expressed by $—CH_2—$. —O—. or $—N(R_7)—$. while R_7 represents a lower alkyl group. an aryl group. a carbamoyl lower alkyl group. an aralkyl group. or a heterocyclic group having 5 to 9 members; and

n represents an integer of 1 to 6.

2. An alkylenediamine derivative or a salt thereof according to claim 1. which expressed by the following formula 4.

formula 4



wherein R_1. R_2. R_3. R_3'. R_4. R_5. R_6. and X are same as those in the above-mentioned formula 1.

3. An alkylenediamine derivative or a salt thereof according to claim 2. wherein X is oxygen atom. while R_4. R_5. and R_6 are hydrogen atoms.

4. An alkylenediamine derivative or a salt thereof according to claim 3. wherein R_1 and R_2 are hydrogen atoms.

5. An alkylenediamine derivative or a salt thereof according to claim 3. wherein R_1 and/or R_2 is an alkenyloxy group expressed by the following formula 5;

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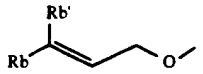
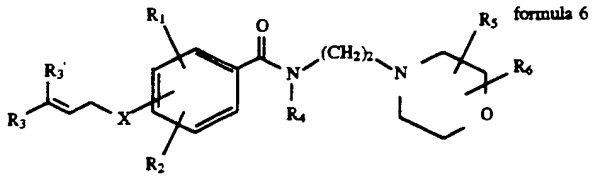


formula 5

wherein each of R_b and R_b' represents methyl group, [prenyl] prenyl-CH_2 group, or [geranyl] geranyl-CH_2 group and when one of R_b and R_b' is [prenyl] prenyl-CH_2 group or [geranyl] geranyl-CH_2 group, another is methyl group.

6. An alkylenediamine derivative or a salt thereof according to claim 3. wherein R_1 and/or R_2 is a lower alkoxy group.

7. An alkylenediamine derivative or a salt thereof according to claim 1. which expressed by the following formula 6.



formula 6

wherein R_1. R_2. R_3. R_3'. R_4. R_5. R_6. and X are same as those in the above-mentioned formula 1.

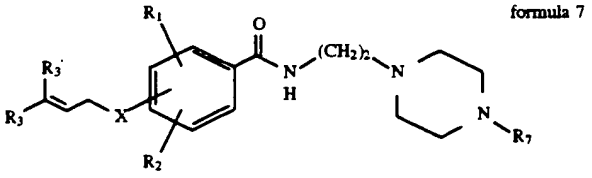
8. An alkylenediamine derivative or a salt thereof according to claim 7. wherein X is oxygen atom. while R_4. R_5. and R_6 are hydrogen atoms.

9. An alkylenediamine derivative or a salt thereof according to claim 8. wherein R_1 and R_2 are hydrogen atoms.

10. An alkylenediamine derivative or a salt thereof according to claim 8. wherein R_1 and/or R_2 is an alkenyloxy group expressed by above-mentioned formula 5.

11. An alkylenediamine derivative or a salt thereof according to claim 8. wherein R_1 and/or R_2 is a lower alkoxy group.

12. An alkylenediamine derivative or a salt thereof according to claim 1. which expressed by the following formula 7:

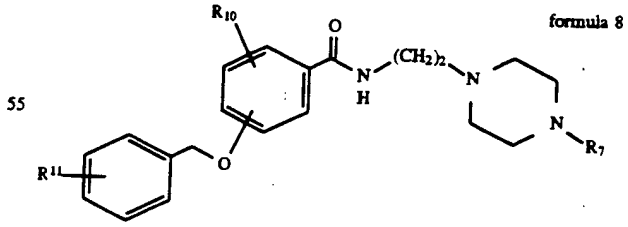


formula 7

wherein R_1. R_2. R_3. R_3'. R_7. and X are same as those in the above-mentioned formula 1.

13. An alkylenediamine derivative or a salt thereof according to claim 12. wherein X is oxygen atom. while R_1 and R_2 are hydrogen atoms.

14. An alkylenediamine derivative or a salt thereof according to claim 1. which expressed by the following formula 8:



formula 8

wherein R_7 is a lower alkyl group; and R_{10} and R_{11} are same as those in the above-mentioned formula 3.

15. An alkylenediamine derivative or a salt thereof according to claim 14. wherein R_7 and R_{10} are isobutyl groups.

16. An alkylenediamine derivative or a salt thereof according to claim 14 or 15. wherein R_{11} is fluorine atom bonded to para-position.

17. An anti-ulcer drug comprising. as an effective ingredient. an alkylenediamine derivative or a pharmacologically acceptable salt thereof according to claim 1. together with a pharmaceutically acceptable carrier and/or adjuvant.

18. An antibacterial drug against *Helicobacter pyroli* comprising. as an effective ingredient. an alkylenediamine derivative or a pharmacologically acceptable salt thereof according to claim 1. together with a pharmaceutically acceptable carrier and/or adjuvant.

19. A method for the treatment of peptic ulcers in man or mammals. which comprises administering an effective amount of an alkylenediamine derivative or a pharmacologically acceptable salt thereof according to claim 1 to a host.

20. A method according to claim 19. wherein said peptic ulcers are gastric ulcers in man.

21. A method for the inhibition of acid secretion in stomach of man or mammals. which comprises administering an effective amount of an alkylenediamine derivative or

a pharmacologically acceptable salt thereof according to claim 1 to a host.

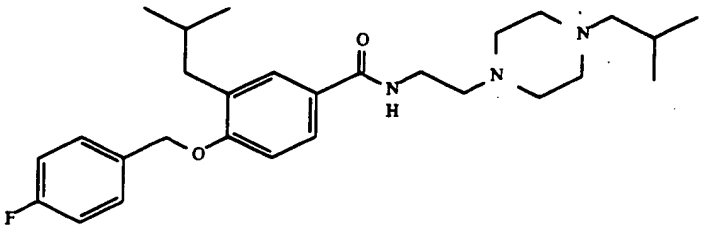
22. A method for the inhibition of growth of *Helicobacter pyroli* in stomach of man or mammals. which comprises administering an effective amount of an alkylenediamine derivative or a pharmacologically acceptable salt thereof according to claim 1 to a host.

23. A method for the prevention of peptic ulcers in man or mammals. which comprises administering an effective amount of an alkylenediamine derivative or a pharmacologically acceptable salt thereof according to claim 1 to a host.

24. A method according to claim 23. wherein said peptic ulcers are gastric ulcers in man.

25. An alkylenediamine derivative or a salt thereof according to claim 14. wherein R_{10} and $—O—(CH_2)—C_6H_4—R_{11}$ are at positions 3 and 4 of the benzene ring.

26. An alkylenediamine derivative or a salt thereof having the following formula:



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